CLAIMS

1. A refrigeration appliance, characterized in that it comprises: a cabinet (10) defining a refrigerating compartment (RC) provided with at least one front door and an air refrigerating chamber refrigerating and freezing air supply ducts (40, 50), each having an inlet opening (41, 51) in communication refrigerating chamber (15) the air and a plurality of outlet openings (42, 52) in communication with the refrigerating compartment (RC); a valve (70) 10 provided in each outlet opening (42, 52) for providing the closing and the selective opening of the latter; refrigerating and freezing air return ducts (80, 90), each having at least one inlet window (81, 91) opened to the interior of the cabinet (10) and an outlet 15 92) opened to the air refrigerating chamber (15); at least one evaporator (20) one fan (30) are provided in the refrigerating chamber (15), said fan (30) producing a 20 forced refrigerated air flow through the evaporator (20) and through the refrigerating and freezing air supply ducts (40, 50) to be directed to the interior the cabinet (10); and at least one freezing compartment (FC) provided with a respective front door (61) and which is optionally and selectively mounted 25 cabinet the (10), in order to occupy a respective portion of the inner volume of the latter and to be maintained in fluid communication with at least one outlet opening (52) of a freezing air supply duct (50) and with at least one inlet window (91) of a 30 freezing air return duct (90).

2. The appliance as set forth in claim 1, characterized in that the mounting of a freezing compartment (FC) in the interior of the cabinet (10) blocks the outlet opening (42) of a refrigerating air

supply duct (40) which is directed to the region of the cabinet (10) occupied by said freezing compartment (FC).

- forth The appliance as set in claim characterized in that the evaporator (20) is divided into two portions (20a, 20b), one of them (20a) receiving the forced air flow to be directed to at least one refrigerating air supply duct (40), while the other evaporator portion (20b) receives the air
- flow to be directed to at least one freezing air 10 supply duct (50).
 - The forth appliance as set in claim characterized in that it comprises two fans (30), each operatively associated with one of the two portions
- (20a, 20b) of the evaporator (20), the operation of 15 each fan (30) allowing to control the air flow to the refrigerating compartment (RC) and freezing compartment (FC).
- appliance 5. The as set forth in claim 20 characterized in that the fans (30) are driven by variable speed motors.
 - The set forth in appliance as characterized in that the cabinet (10) has inner walls limiting the refrigerating compartment
- freezing compartment (FC) being dimensioned 25 mounted in the interior of the cabinet (10) so as to define, in relation to the inner walls of the latter, a gap which is sufficient to allow the air circulate between said parts.
- 30 The appliance as set forth in claim 1, characterized in that any freezing compartment (FC) is dimensioned in modular form in at least one size, so that it can form a plurality of freezing compartments (FC) occupying at least one portion of the height and
- 35 practically the whole inner width of the cabinet (10).

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- The claim 8. appliance as set forth in 7, characterized in that the freezing compartment (FC) is defined by a box (60) provided with a front door (61), said box (60) presenting a height corresponding to the fraction of the maximum height refrigerating compartment (RC) and a width which is slightly inferior to the inner width of the cabinet (10).
- 9. The appliance as set forth in 10 characterized in that the box (60) has an air inlet hole (62) to be aligned with a respective outlet opening (52) of the freezing air supply duct (50) and air outlet hole (63) to be aligned with a respective inlet window (91) of the freezing 15 return duct (90).
 - 10. The appliance as set forth in claim 1, characterized in that it comprises a refrigerating air supply duct (40) and a freezing air supply duct (50) which are vertically positioned side by side along the inner wall of the cabinet (10), the respective outlet
- inner wall of the cabinet (10), the respective outlet openings (42, 52) of both ducts being disposed in laterally adjacent pairs, each pair being provided with a single valve (70) constructed so as to simultaneously close one of the openings of one pair and open the other opening of the same pair.
 - 11. The appliance as set forth in claim 10, characterized in that the valve (70) of each pair of outlet openings (42, 52) is actuated, to one and to the other of its two operational conditions, upon the mounting and the removal of the respective freezing
- compartment (FC) in relation to the cabinet (10).

 12. The appliance as set forth in claim 11,

 characterized in that the valves (70) are constantly
 forced to the operational position in which they close

 the respective outlet openings (52) of the freezing

air supply duct (50) and open the respective outlet openings (42) of the refrigerating air supply duct (40).

- set forth in claim 13. The appliance as characterized in that the inlet windows (91) of the freezing air return duct (90), which are directed to the regions of the cabinet (10) that define refrigerating compartment (RC), are blocked by a selectively removable obturator (95), allowing said inlet windows (91) of the freezing air return duct 10 (90) to be directed to the interior of the freezing compartment (FC).
- 14. The appliance as set forth in claim 1, characterized in that the refrigerating air return duct (80) is in the form of an air passage provided through a dividing wall (18) disposed between the air refrigerating chamber (15) and the interior of the cabinet (10).